

Fig. 1

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1 .....IHPISAESLHSHLQQLINDKPQ 22
                               :||: || : ||.|| .
451 PDLNIPHPRMLERTFVLEPLCELISPVHLHPVTAEPIDVHLKQLYDKQHD 500
23 ETV.....QESSDLLQFIPVSRLPVKDNILKFDQINHKSPRTLIMGIL 64
   |         |         .:         |         ||| || |
501 EDTLWKLVLPLPYRSGVEPRFLKFKTATKLDEFTGETNRITVSPTYIMAIF 550
65 NMTPDSFSDSGGKHFG...KELDNIVKQA.EKLVSEGATIIDIGGVSTRPG 110
   | ||||| ||||. || :||:| : | . |||: || ||||
551 NATPDSFSDSGGEHFADIESQLNDI IKLCKDALY LHESVIIDVGGCSTRPN 600
111 SVEPTEEEEELERVIPILIRAIQS..... 133
   |:: .|||: | ||||: |||: |
601 SIQASEEEEIRRSIPLIKAIRESTELPODKVILSIDTYRSNVAKEAIVKG 650

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251 NDLNEVLQCTKIAEKLRLQDQIDQERQGNFNNVESHNSPALPLKA 300
1 .....KSIQL 5 SEQ ID NO: 69
301 GONGNLMRRDRSSVLILEKFWDTELDQLFKNVEGAQKFINSTKGRHILMN 350
| | :| | | :| .| | | :| | | .| | | :| | |
6 GIPSN.KKKDRSSIMVLKKMWDSQLQSLFKHVDGASKFVQPLPNRHIAE 54
351 SANWMELNNTTTGKPLQMVQIFILNDLVLIADK...SRDKQNDFIVSQCYP 397
| | | .| | | :| | | :| | | | | .: | |
55 SGRWFEVNVGNWKPSYPHTLFI FNDLILIAVKKSSSSSQEPTTGGSGGS 104
398 LKDVTVTQEEFSTKRLLLFKFSNSNSSLYEÇRDADECSRLLDVI..RKAKD 445
| | | .| | .| | .| :| :| :|
105 KSRLQAVQCWPLTQVSLQQIKSPKKDDDKMYFINLKSLSYVYLTDRYD 154
446 DLCDIFHVEEENSKRIRESFRYLQSTQQTGRENRRSPNKNK..RRSMGG 493
: . :| | | | .| | | . :| | :
155 HFVKVTEAFNKGGRNEMIQSERLLDSRLSSPSNNNGDSKEEKRQLRESLRN 204
494 SITPGRNVTGAMDQYLLQNLTLMSHSRPRS RDMSSSTAQRLKFLDEGV EEI 543
| | | .|
205 SGNYKEGVTTDAGGAATG*VT..... 225

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FIG. 3

301 ACCCATTGCTGAAATGTTGSACTTGAAGATTGCTTTAGAAAGAGGAGTTGGTGAATGGTT SEQ ID NO: 72
0 -----

361 TCGTAAAAATAGAGATACCAAACAGTTCCCGGTGATTACACACAATTGAGAACATTTTT SEQ ID NO: 72
0 -----

421 CGATAAATTATTGATCGATGAAGATACTTGGCCAAGAGATAACTTAAATGTTATACCTAA SEQ ID NO: 72
0 -----

481 TATTGAAGGAGAAGATTATGATGAAATCTACGATCGTGCCAAATTGTTTTGGAAAAAGTT SEQ ID NO: 72
0 -----TTAAATATGTGTTGATAGTTACACATGC SEQ ID NO: 71
||||| |||||||

541 TATTCCTGAATTTGAAAAGAAATTCCTCGAAATTAATAATGTGTTGATAGTTACACATGC SEQ ID NO: 72

29 AGCAACGAAAATTGCTTTAGGATCAGCTTTATTACAGTTAAAATCAGTTACTGATGTTAT SEQ ID NO: 71
|||||

601 AGCAACGAAAATTGCTTTAGGATCAGCTTTATTACAGTTAAAATCAGTTACTGATGTTAT SEQ ID NO: 72

89 AGATGATAATCAAACGTGTTACGTGCTGGTGCATGTTCAATTATCCAAATTTGTTAGAGA SEQ ID NO: 71
|||||

661 AGATGATAATCAAACGTGTTACGTGCTGGTGCATGTTCAATTATCCAAATTTGTTAGAGA SEQ ID NO: 72

149 TGGCGAAGATAAAACCAATCATACTATTCAATGGAAAATTGTCATGAATGGTAATTGTGA SEQ ID NO: 71
|||||

721 TGGCGAAGATAAAACCAATGATACTATTCAATGGAAAATTGTCATGAATGGTAATTGTGA SEQ ID NO: 72

209 ATTCTTGACACAGGGTGAAGAAATGAAT----- SEQ ID NO: 71
|||||

781 ATTCTTGACACAGGGTGAAGAAATGAACGGGATTTCCGTCGTGGTGTGAAGCCGGGTC SEQ ID NO: 7

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FIG. 4

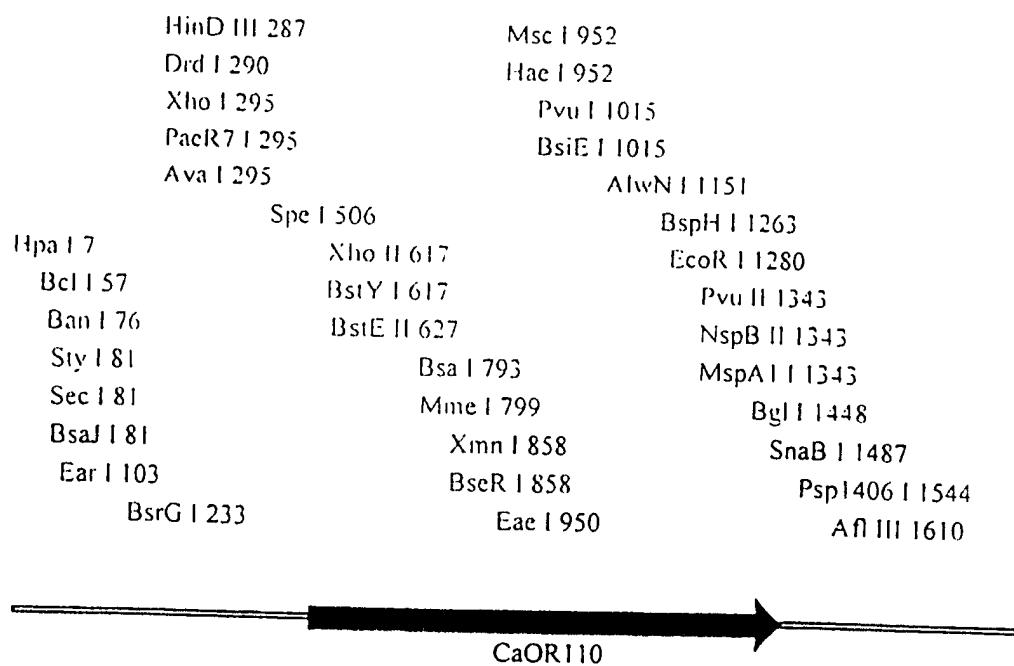


FIG. 5

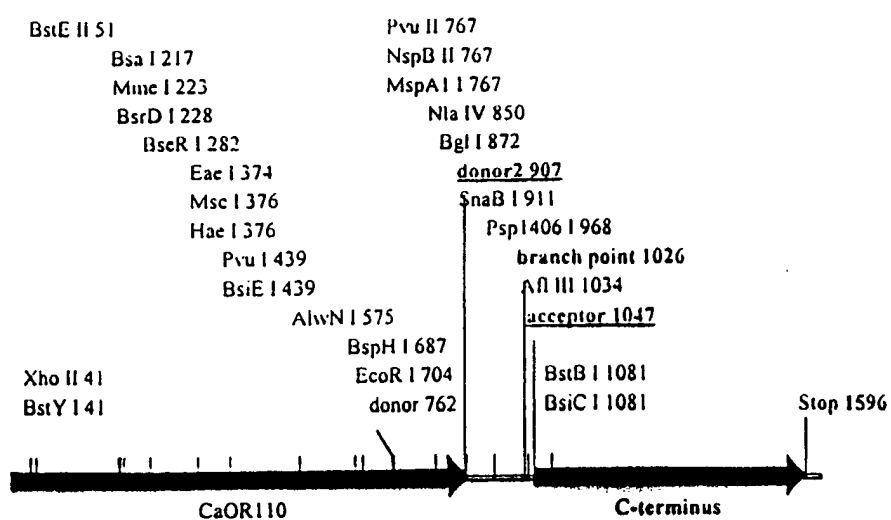


FIG. 6A

1	ATGACGATTGAAACTATTTATATCGCAAGACACGGTTATAGATCCAATTGGTTACCA	60
1	ATGACGATTGAAACTATTTATATCGCAAGACACGGTTATAGATCCAATTGGTTACCA	60
61	CCACACCCACCAAATCCTACTGGTATTGACAGTGACCCGGCTTTAGCACCACATGGTGTT	120
61	CCACACCCACCAAATCCTACTGGTATTGACAGTGACCCGGCTTTAGCACCACATGGTGTT	120
121	GAACAAGCCCAACAGTTAGCTGCCTATCTTACATCATTACCTACACATGAAAAGCCTGAA	180
121	GAACAAGCCCAACAGTTAGCTGCCTATCTTACATCATTACCTACACATGAAAAGCCTGAA	180
181	TTTATTATTGCTTCACCTTTTATCGTTGTATAGAAACGTCGAGACCCATTGCCGAAATG	240
181	TTTATTATTGCTTCACCTTTTATCGTTGTATAGAAACGTCGAGACCCATTGCCGAAATG	240
241	TTGGACTTGAAGATTGCTTTAGAAAGAGGAGTTGGTGAATGGTTTCGTAAAAATAGAGAT	300
241	TTGGACTTGAAGATTGCTTTAGAAAGAGGAGTTGGTGAATGGTTTCGTAAAAATAGAGAT	300
301	ACCAAACCAAGTTCCCGGTGATTACACACAATTGAGAACATTTTTCGATAAATTATTGATC	360
301	ACCAAACCAAGTTCCCGGTGATTACACACAATTGAGAACATTTTTCGATAAATTATTGATC	360
361	GATGAAGATACTTGGCCAAGAGATAAATTAAATGTTATACCTAATATTGAAGGAGAAGAT	420
361	GATGAAGATACTTGGCCAAGAGATAAATTAAATGTTATACCTAATATTGAAGGAGAAGAT	420
421	TATGATGAAATCTACGATCGTGCCAAATTGTTTTGGAAAAAGTTTATTCCTGAATTTGAA	480
421	TATGATGAAATCTACGATCGTGCCAAATTGTTTTGGAAAAAGTTTATTCCTGAATTTGAA	480
481	AAGAAATTCCCCGAAATTAAAAATGTGTTGATAGTTACACATGCAGCAACGAAAATTGCT	540
481	AAGAAATTCCCCGAAATTAAAAATGTGTTGATAGTTACACATGCAGCAACGAAAATTGCT	540
541	TTAGGATCAGCTTTATTACAGTTAAAATCAGTTACTGATGTTATAGATGATAATCAAAC	600
541	TTAGGATCAGCTTTATTACAGTTAAAATCAGTTACTGATGTTATAGATGATAATCAAAC	600
601	GTGTTACGTGCTGGTGCATGTTTCATTATCCAAATTTGTTAGAGATGGCGAAGATAAAACC	660
601	GTGTTACGTGCTGGTGCATGTTTCATTATCCAAATTTGTTAGAGATGGCGAAGATAAAACC	660
661	AATCATACTATTCAATGGAAAAATTGTCATGAATGGTAATTGTGAATTCTTGACACAGGGT	720

60 SERIDON 13
60 SERIDON 15

6B

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661	AATCATACTATTCAATGGAAAATTGTCATGAATGGTAATTGTGAATTCTTGACACAGGGT	720
	
721	GAAGAAATGAACTGGGATTTCCGTCGTGGTGTGAAGCCGGGTCAGCTGAAGATATAGCG	780
721	GAAGAAATGAACTGGGATTTCCGTCGTGGTGTGAAGCCGGGTCAGCTGAAGATATAGCG	780
	
781	CAAAGAAAGGCAGCAGCAGAAGCAGAAGCAAAAGCATTGAAGAAAA-TGAACAAACCAAA	840
781	CAAAGAAAGGCAGCAGCAGAAGCAGAAGCAAAAGCATTGAAGAAAA-TGAACAAACCAAA	840
	
841	TCCGATGGTCCCATCACTGAATCTGCCACTGGGGCAGAAATAGATGGGAATGAAGATGAA	900
841	TCCGATGGTCCCATCACTGAATCTGCCACTGGGGCAGAAATAGATGGGAATGAAGATGAA	900
	
901	TTTGAAGTACGTAAAACCTTGAAAGAGATATTAAATAGACACAACTTAGAAAAATATAGAG	960
901	TTTGAA-----	906
	.	
961	ATACAAACGTTTTGAATTTCTTGATTCACTTTTTTGTTTAAAAATAAAAAATAGTTCAAAA	1020
906	-----	905
	.	
1021	TGAAATACTAACACATGTGTTTTTAGACATTTTATGTAACCATCGATATACCTTCAATTT	1080
906	-----ACATTTTATGTAACCATCGATATACCTTCAATTT	939
	
1081	CGAATAAAATCGACAATGAAGAAGAACCACCATCAAGGACAGGTCAAGCTCCAAAATTCA	1140
941	CGAATAAAATCGACAATGAAGAAGAACCACCATCAAGGACAGGTCAAGCTCCAAAATTCA	1000
	
1141	AAAACAATATTATCAAGCCTTCAGCACAACTCCAATTTACTGATTAAAAGAAGATCATC	1200
1001	AAAACAATATTATCAAGCCTTCAGCACAACTCCAATTTACTGATTAAAAGAAGATCATC	1060
	
1201	CATTAGTAAAAATATCGAACAACTATATCTGCTCAAGGCTCGTCGTCGTCGTTAT	1260
1061	CATTAGTAAAAATATCGAACAACTATATCTGCTCAAGGCTCGTCGTCGTCGTTAT	1120
	
1261	CAGCGTCGAAAAATGGATTTAATAGTCATACTCACAATTCAGGAGTCATTGATCCATCAG	1320
1121	CAGCGTCGAAAAATGGATTTAATAGTCATACTCACAATTCAGGAGTCATTGATCCATCAG	1180
	
1321	CACTTATAGATGGGAAAATTTATCAGACTGATTGGAATCAATTACAAGGTACTGAACTAA	1380
1181	CACTTATAGATGGGAAAATTTATCAGACTGATTGGAATCAATTACAAGGTACTGAACTAA	1240
	
1381	TATTTGATGAAAATGGTCAATTTATAGGCAAGGTTAAGGAACATTGACTTGCAATAATA	1440
1241	TATTTGATGAAAATGGTCAATTTATAGGCAAGGTTAAGGAACATTGACTTGCAATAATA	1300

66

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1441 ACACAAAATTACATTAAAAAAGGCAGAAGAAGTAGAACAACTTCGTTTCAGCAGATGATT 1500
|||||
1301 ACACAAAATTACATTAAAAAAGGCAGAAGAAGTAGAACAACTTCGTTTCAGCAGATGATT 1360
° ° ° ° ° °
1501 CTATCATGGATATAGATCAAGACTCACAAGGACAACAACCAGCTAGAAGTCAGTTCTTAA 1560
|||||
1361 CTATCATGGATATAGATCAAGACTCACAAGGACAACAACCAGCTAGAAGTCAGTTCTTAA 1420
° ° ° ° ° °
1561 AAAGAGCAATTGTGGCTGCTAGAGCCAAAGGTAAATAAATGCTATTTTGTTATTATTATA 1620
|||||
1421 AAAGAGCAATTGTGGCTGCTAGAGCCAAAGGTAA----- 1454
° ° ° ° ° °

FIG. 7

